



PTO/SB/82 (04-05)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Application Number	10/823,611-Conf. #5083
	Filing Date	April 14, 2004
	First Named Inventor	Tomoo Iijima
	Art Unit	3729
	Examiner Name	M. N. Trinh
	Attorney Docket Number	SOCKET 3.0-001 DIV I DIV

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number: ☒ Please change the correspondence address for the above-identified application to:☒ The address associated with
Customer Number:

OR

☐ Firm or
Individual Name

Address

City

Country

State

Zip

Telephone

Email

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Signature

Name

Christopher M. Pickett

Date

8/8/05

Telephone

(408) 894-0700

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of 1 forms are submitted.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Tomoo Iijima and Masayuki Ohsawa

Application No./Patent No.: 10/823,611 Filed/Issue Date: April 14, 2004

Entitled: MANUFACTURING METHOD FOR WIRING CIRCUIT SUBSTRATE

Socketstrate, Inc., a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____ , Frame _____ , or for which a copy thereof is attached.

OR

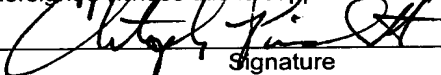
B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Inventors To: North Corporation
The document was recorded in the United States Patent and Trademark Office at Reel 011223 , Frame 0859 , or for which a copy thereof is attached.
2. From: North Corporation To: Socketstrate, Inc.
The document was recorded in the United States Patent and Trademark Office at Reel _____ , Frame _____ , or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____ , Frame _____ , or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.


Signature

8/8/05
Date

Christopher M. Pickett
Printed or Typed Name

408-894-0700
Telephone Number

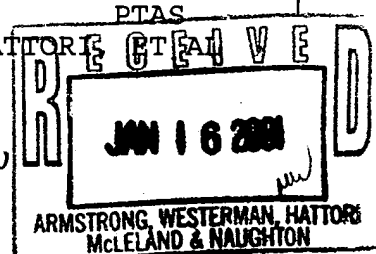
Senior Vice President
Title



MS 001181
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JANUARY 11, 2001

ARMSTRONG, WESTERMAN, HATTORI
WILLIAM G. KRATZ, JR.
SUITE 1000
1725 K STREET, N.W.
WASHINGTON, D.C. 20006 *ju*



101515141A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/11/2000

REEL/FRAME: 011223/0859
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
IIJIMA, TOMOO

DOC DATE: 09/06/2000

ASSIGNOR:
OHSAWA, MASAYUKI

DOC DATE: 09/07/2000

ASSIGNEE:
NORTH CORPORATION
3-37-5 MINAMI-OTSUKA, TOSHIMA-KU
TOKYO 170-0005, JAPAN

SERIAL NUMBER: 09685799
PATENT NUMBER:

FILING DATE: 10/11/2000
ISSUE DATE:

TONYA LEE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



U.S. PATENT AND TRADEMARK OFFICE

Case Docket No. 001181

11-14-2000

U.S. I



REC

101515141

T

10/11/00

10/11/00
09/685799
U.S. PTO



To the Director of Patents and Trademarks.
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Tomoo IJIMA and Masayuki OHSAWA

Additional name(s) of conveying party(ies) attached? NO

09/685799

2. Name and address of receiving party(ies):

Name: **NORTH CORPORATION**

Street Address: 3-37-5 Minami-otsuka, Toshima-ku,
Tokyo 170-0005, Japan

Additional name(s) & address(es) attached? NO

3. Nature of conveyance: **Assignment**

Execution Date: **September 6 and 7, 2000**

4. Title: **WIRING CIRCUIT SUBSTRATE AND MANUFACTURING METHOD THEREFOR**

5. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: September 6 and 7, 2000

A. Patent Application No.(s)

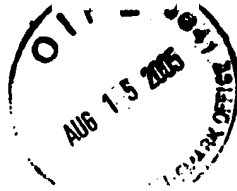
B. Patent No.(s)

Additional numbers attached? NO

11/08/2000 KHARLING 0000043 09685799

40.00 DP

05 FC:581



6. Name and address of party to whom correspondence concerning document should be mailed:

Name: Armstrong, Westerman, Hattori,
McLeland & Naughton
Suite 1000
1725 K Street, N.W.
Washington, D.C. 20006

7. Total number of applications and patents involved: 1

8. Total fee (37 CFR 3.41). \$ **40.00**

XX Check enclosed

9. Deposit Account No.: 01-2340

10. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

William G. Kratz, Jr.
William G. Kratz, Jr.
Reg. No.: 22,631

Date: October 11, 2000

Total number of pages including a cover sheet: 3

WGK/II

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's
Name(s) Address(es))

NORTH CORPORATION

3-37-5 Minami-otsuka, Toshima-ku, Tokyo 170-0005, Japan
(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

WIRING CIRCUIT SUBSTRATE AND MANUFACTURING METHOD THEREFOR

(*If the assignment is
being filed after the filing
of the application, this
section must be
completed)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

*filed on _____, Serial No. _____
(Armstrong, Westerman, Hattori, McLeland & Naughton is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

<u>Tomoo Iijima</u> (SIGNATURE)	<u>TOMOO IIJIMA</u> (TYPE NAME)	<u>06/09/2000</u> (DATE)
<u>Masayuki Ohsawa</u> (SIGNATURE)	<u>Masayuki OHSAWA</u> (TYPE NAME)	<u>07/09/2000</u> (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)

NO LEGALIZATION REQUIRED



RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

NORTH CORPORATION

Execution Date(s): May 31, 2005

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: SOCKETSTRATE, INC.

Internal Address: _____

Street Address: _____

3099 ORCHARD DRIVE

City: SAN JOSE

State: CALIFORNIA

Country: United States of America Zip: 95134

Additional name(s) & address(es) attached: ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

10/450,844 10/880,588
10/812,349 11/029,423
10/823,611 11/085,108

Additional numbers attached? ☐ Yes ☒ No

☐ This document is being filed together with a new application.

B. Patent No.(s)

6,528,874 6,782,610
6,617,236 6,828,221
6,646,337 6,884,709

5. Name and address to whom correspondence concerning document should be mailed:

Name: Daryl K. Neff
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK, LLP

Internal Address: Atty. Dkt.: Socket 5.2-001

Street Address: 600 South Avenue West

City: Westfield

State: NJ Zip: 07090

Phone Number: (908) 518-6396

Fax Number: (908) 654-7866

Email Address: dneff@ldlkm.com

6. Total number of applications and patents involved:

12

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 480.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number 12-1095
Authorized User Name Daryl K. Neff

9. Signature:

Signature

Daryl K. Neff - 38,259

Name of Person Signing

July 22, 2005

Date

Total number of pages including cover sheet, attachments, and documents:

3

ASSIGNMENT

Docket Number (Optional)

Socket 5.2-001

WHEREAS, **North Corporation**, a corporation organized under the laws of Japan, having a place of business at 32-1, Minami-Otsuka 3-chome, Toshima-ku, Tokyo, Japan, is the sole and exclusive owner, by assignment, of the patent applications and Letters Patents of the United States of America listed on the attached Exhibit A-1 (the "U.S. Patent Assets"):

WHEREAS, **Socketstrate, Inc.**, a corporation of the State of Delaware, located and doing business at 3099 Orchard Drive, San Jose, California 95134 is desirous of acquiring the right, title and interest in, to and under said Letters Patents and the invention covered thereby;

NOW, THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, the said **North Corporation** has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to the said **Socketstrate, Inc.**, the said inventions and the Letters Patents, the same to be held and enjoyed by the same **Socketstrate, Inc.**, for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and other legal representatives, to the end of the term or terms for which said Letters Patents of the United States are granted or reissued or reexamined as fully and entirely as the same would have been held and enjoyed by the said **North Corporation**, if this assignment and sale had not been made, together with all claims for damages by reason of past infringement of said Letters Patents, with the right to sue for, and collect the same for its own use and behoof, and for the use and behoof of its successors, assigns, or other legal representatives.

IN WITNESS WHEREOF, **North Corporation** has caused these presents to be signed by its duly appointed trustee having full authority to convey its property.

And if the filing date and/or application number of any one of the U.S. Patent Assets is unknown to **North Corporation** and **Socketstrate, Inc.** at the time this Assignment is executed, I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

Dated: May 31, 2005
(Month Day)

Tomoo Iijima
Tomoo Iijima

EXHIBIT A-1
U.S. PATENT ASSETS

Application No.	Filing Date (MM/DD/YY)	Patent No.	Issue Date (MM/ DD/YY)	First Inventor	Title
11/029,423	01/06/05			TOMOO IJIMA	CONNECTING MEMBER BETWEEN WIRING FILMS, MANUFACTURING METHOD THEREOF, AND MANUFACTURING METHOD OF MULTILAYER WIRING SUBSTRATE
10/812,349	03/30/04			TOMOO IJIMA	WIRING CIRCUIT BOARD, MANUFACTURING METHOD FOR THE WIRING CIRCUIT BOARD, AND CIRCUIT MODULE
10/880,588	07/01/04			TOMOO IJIMA	MULTILAYER WIRING BOARD FOR AN ELECTRONIC DEVICE
		6,884,709	04/26/05	TOMOO IJIMA	CONNECTION MEMBER BETWEEN WIRING FILMS, MANUFACTURING METHOD THEREOF, AND MANUFACTURING METHOD OF MULTILAYER WIRING SUBSTRATE
11/085,108	03/22/05			KENJI OSAWA	INTERLAYER MEMBER USED FOR PRODUCING MULTILAYER WIRING BOARD AND METHOD OF PRODUCING THE SAME
10/450,844	06/26/03			TOMOO IJIMA	MULTI-LAYER WIRING BOARD, METHOD FOR PRODUCING MULTI-LAYER WIRING BOARD, POLISHING MACHINE FOR MULTI-LAYER WIRING BOARD, AND METAL SHEET FOR PRODUCING WIRING BOARD
		6,528,874	03/04/03	TOMOO IJIMA	WIRING CIRCUIT SUBSTRATE AND MANUFACTURING METHOD THEREOF
		6,828,221	12/07/04	TOMOO IJIMA	MANUFACTURING METHOD FOR WIRING CIRCUIT SUBSTRATES
		6,646,337	11/11/03	TOMOO IJIMA	WIRING CIRCUIT SUBSTRATE AND MANUFACTURING METHOD THEREFOR
10/823,611	04/14/04			TOMOO IJIMA	MANUFACTURING METHOD FOR WIRING CIRCUIT SUBSTRATE
		6,782,610	08/31/04	TOMOO IJIMA	METHOD FOR FABRICATING A WIRING SUBSTRATE BY ELECTROPLATING A WIRING FILM ON A METAL BASE
		6,617,236	09/09/03	KENJI OSAWA	FABRICATION METHOD OF WIRING SUBSTRATE FOR MOUNTING SEMICONDUCTOR ELEMENT AND SEMICONDUCTOR DEVICE